

FMEA  
EMU FAILURE MODE, EFFECT ANALYSIS

Page: 1  
Date: 11/15/95

12/24/95 SUPERSEDES 12/24/94

ANALYST:

NAME P/N QIT	FUNCTION	FAILURE MODE & CAUSES	MISSION PHASE	FAILURE EFFECT	FAILURE DETECTION FLIGHT/GROUND	TIME TO EFFECT/ ACTIONS	CREW	REMARKS/ HAZARD	REF
DISPLAY AND CONTROLS ELECTRONICS, ITEM 350 EV792291-27 (1)	Provides current limiting for EVC, feedwater solenoid and CLIV solenoid power. Provides optical isolation and discrete signal conditioning for CWS input, discrete and EVC tone discretes. Contains battery current and voltage sense circuits, DCH display, and provides secondary power to DCH display, CWS, and sensors.	350PM32t: Electrical short (Input to output) In secondary EVC current limiter.  CAUSEs: Electronic component failure.	PREEVA EVA	END ITEM: Loss of over current protection for DCM for short circuits in EVC power circuit.	FLIGHT: No.  GROUND: None.	None required.	3/IR A-PASS B-PASS C-PASS TIME AVAILABLE: N/A	The redundant path None. is the SOP. Circuit breakers (current limitors) are standby redundant.	

MISSION:  
None for single failure. Terminate EVA for second failure which results in loss of EMU power.

CREW/VEHICLE:  
None for single or double failure. Possible loss of crewman with loss of SOP.